

DUAL HANDLE IMMERSION BLENDER

BACKGROUND OF THE INVENTION

1. Field of the Invention

5 The present invention relates to blenders. More particularly, the present invention relates to a hand held blender.

2. Description of the Related Art

10 Hand held blenders including immersion blenders, are well known. Typically, these blenders have a tall, tubular hand grip portion that contains a motor, from which extends a shaft that may be immersed right into a liquid or mixture to puree or chop the contents. Many immersion blenders come with a whisk
15 attachment (good for whipping cream), and other accoutrements, such as strainers or beakers, for mixing individual drinks. Some also come with wall mounts. In addition, these blenders may have variable speeds and be entirely portable.

20 Immersion blenders are very practical for their specific purpose. Conventionally, such blenders are used in combination with any of a variety of separate containers to process (e.g.,

mix, chop, cut, etc.) any of a variety of different food stuffs of various consistencies from solid to viscous to liquid.

During the comminuting or mixing process, it can often be
5 difficult and/or awkward to control or manipulate these blenders because the hand grip portions are primarily designed to conform to the geometry of the motor contained therein rather than to ergonomically conform to a person's hand or hands. Accordingly, notwithstanding what is currently known in relation to immersion
10 blenders, there remains a need for an immersion blender having one or more ergonomic hand grip portions suitable to facilitate easy control and/or manipulation of the blender during use.

SUMMARY OF THE INVENTION

15 It is an object of the present invention to provide an effective and versatile immersion blender that has one or more ergonomic handle portions.

It is another object of the present invention to provide an
20 immersion blender that has a handle portion facilitating a pivotal movement of the blender.

It is still another object of the present invention to provide an immersion blender that has a handle portion facilitating lateral movement of the blender.

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It is yet another object of the present invention to provide an immersion blender that has a handle portion that facilitates stabilizing various operative movements of the blender.

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It is a further another object of the present invention to provide an immersion blender that facilitates uniform blending and/or comminuting results via effective and efficient handling of the blender.

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These and other objects and advantages of the present invention are achieved by an immersion blender that has a housing or body containing a motor, a drive shaft extending from one end of the body and operatively connected to the motor, and
20 a processing tool operatively connected to the drive shaft. The

body has at least one handle portion, and preferably two or more handle portions that are ergonomically configured to facilitate in the operative movement of the blender, better overall control and more uniform blending.

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BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a first side view of an immersion blender in accordance with an illustrative embodiment of the present

10 invention;

Fig. 2 is a second side view of the immersion blender of Fig. 1;

15 Fig. 3 is a bottom view of the immersion blender of Fig. 1; and

Fig. 4 is a top view of the immersion blender of Fig. 1.

DETAILED DESCRIPTION OF THE INVENTION

Referring to the drawings and, in particular, Fig. 1, an
5 immersion blender in accordance with an illustrative embodiment of
the present invention is shown and generally represented by
reference numeral 1. Immersion blender 1 essentially has a
housing or body 10 for containing a drive motor 12, a shank or
drive shaft 14 operatively connected to drive motor 12, and a
10 processing tool 16 operatively connected, either removably or non-
removably, to drive shaft 14.

Additionally, blender 1 preferably also has one or more
handle portions preferably associated with body 10. In a
15 preferred aspect of the present invention, these one or more
handle portions may include at least a first handle 20 for
facilitating pivotal control of blender 1 during operative use, a
second handle 30 for facilitating lateral control of the blender
during operative use, and a third handle 40 for facilitating
20 stabilization of the blender during operative use. Other handle
portions may also and/or alternately be provided as appropriate to

effectuate a more effective and efficient operation of blender 1.

Referring to Figs. 1 and 2, in one aspect of the present invention, first handle 20 may be ergonomically shaped, sized
5 and/or configured for optimal comfort, efficiency, safety, and ease of use. For example, as shown, first handle 20 can be elongated with a first proximal end 22, a first central portion 24, and a first distal end 26. Preferably, first proximal end 22 and first distal end 26 are sufficient to enable the operator's
10 hand to grasp and/or wrap thereabout preferably in a natural comfortable manner. First central portion 24 is preferably shaped to comfortably accommodate the palm of a person's hand.

In operation, first handle 20 preferably has a substantially
15 horizontal orientation with respect to a working surface 50. This orientation allows the operator to better control the vertical orientation of blender 1 with respect to working surface 50. Preferably, first handle 20 can also have one or more surface structures 28 for improving the operator's interface during
20 operative use. In addition, second handle 20 can accommodate one or more controls 29 for operating blender 1. Ideally, first

handle 20 improves the operator's ability to pivotally manipulate blender 1, thereby facilitating the optimal positioning of tool 16 with respect to any of a variety of curved surfaces associated with any of a variety of mixing containers or bowls.

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Referring to Figs. 1 and 3, in another aspect of the present invention, second handle 30 may also be ergonomically shaped, sized and/or configured for optimal comfort, efficiency, safety, and ease of use. For example, as shown, second handle 30 can be
10 elongated with a second proximal end 32, a second central portion 34, and a second distal end portion. Preferably, second handle 30 is sufficient to enable the operator's hand to grasp and/or wrap thereabout preferably in a natural comfortable manner. Second proximal end 32 preferably intersects first handle 20 at or about
15 first central portion 24 and second distal end 36 preferably connects second handle 30 to body 10, preferably at a top portion 18 thereof.

In operative use, second handle 30 preferably has a
20 substantially vertical orientation, which allows the operator to better control the lateral movement of blender 1 with respect to

working surface 50. Second handle 30, like first handle 20, can also have one or more surface structures 38 for improving the operator's interaction therewith during operation, such as, for example, grippers. Further, second handle 30 can accommodate one or more controls 39 for operating blender 1. Ideally, second handle 30 improves the operator's ability to move or manipulate blender 1 so that tool 16 may be laterally moved in a vertical orientation with respect to working surface 50.

Thus, first handle 20 and second handle 30, together, cooperate to give the operator greater control and flexibility of blender 1 during use or operation. In addition, first and second handles 20, 30 preferably cooperate so that when second handle 30 is grasped by the operator, first handle 20 rests on the upper portion of the operator's hand, thereby making it easier to bear the weight of blender 1.

Referring to Figs. 1 and 4, in still another aspect of the present invention, third handle 40 may also be ergonomically shaped, sized and/or configured for optimal comfort, efficiency, safety, and ease of use. For example, as shown, third handle 40

can have a relatively low profile with a third proximal end 42 and a third distal end 44. Preferably, third handle 40 is sufficient to allow the operator to grasp or hold in a natural comfortable manner. For example, third handle 40 can have grippers 48 and/or
5 be made of any of a variety of materials for providing a variety of different ergonomic gripping surfaces. Third proximal end 42 can have any of a variety of forms, such as, for example, the annular knob as shown. Preferably, third distal end 44 connects third handle 40 to body 10, preferably at a side portion 19
10 thereof.

In operation, third handle 40 preferably protrudes outwardly from body 10. Third handle 40 preferably allows the operator to better stabilize the disposition of blender 1 with respect to
15 working surface 50 and/or mixing container. Third handle 40, like first and second handles 20, 30, can have one or more surface structures, such as, for example, grippers 48 for improving the operator's interaction therewith during operation. Ideally, third handle 40 improves the operator's ability to keep blender 1 stable
20 so that tool 16 may more easily be moved in a smooth consistent manner as desired.

Thus, the one or more handles 20, 30, 40 of the present invention preferably cooperate to give the operator greater control and flexibility of blender 1 during operation. In
5 addition, the one or more handles 20, 30, 40 may be detachably connected to body 10 to facilitate efficient storage.

The present invention having been thus described with particular reference to the preferred forms thereof, it will be
10 obvious that various changes and modifications may be made therein without departing from the spirit of the present invention as defined herein.